19990606.qrp v01_n480.qrl.990606

Date: Sun, 6 Jun 1999 19:03:13 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1480

QRP-L Digest 1480

Topics covered in this issue include:

  1) [42090] Re: How/Where do I store Sierra band modules?
     by Tim Ahrens <tahrens@hilconet.com>
  2) [42091] TAC Contest Score
     by "Ron Polityka" <wb3aal@talon.net>
  3) [42092] Trouble building Ten-Tec 1340 kit
     by KF6PJM@aol.com
  4) [42093] Miscellaneous Musings
     by "Dennis B. Dolle" <dolledb@cet.com>
  5) [42094] N2ARC/qrp American Red Cross NJ;First Contact
     by "Wilford D. Lindsey" <70511.3041@compuserve.com>
  6) [42095] AL7FS not heard at K0EVZ
     by "Wilford D. Lindsey" <70511.3041@compuserve.com>
  7) [42096] Why 3.6864?
     by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
  8) [42097] TAC Contest Condx
     by "Charles W. Sanders" <no5w@flex.net>
  9) [42098] Reflex Receiver
     by "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
 10) [42099] Re: TAC Contest Condx
     by david fouchey <dafouchey@home.com>
 11) [42100] Change of Address...
     by James Parsons <k5rov@earthlink.net>
 12) [42101] Re: making CW cuddly and irresistable
     by Kirk Job Sluder <csluder@indiana.edu>
 13) [42102] NOGA QRP Club Meeting/Atlanta Hamfest Photos up on NOGA QRP site
     by Michael C Boatright <ko4wx@mindspring.com>
 14) [42103] Re: Reflex Receiver
     by Chris Trask <ctrask@primenet.com>
 15) [42104] Need a Gap Guru
     by "The one and only!" <mitch96@pobox.com>
 16) [42105] Capacitor kit ....
     by "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>
 17) [42106] AL7FS heard
     by tom whalen <wb5qyt@eFortress.com>
 18) [42107] Re: Why 3.6864?
     by "Mike Silva" <mjsilva@jps.net>
 19) [42108] Re: AL7FS - QRP TAC Contest Notes 3

    by Jay Freeman <jayFreem@direcpc.com>
20) [42109] Noisy TAC test on 20
    by Macstein@aol.com
21) [42110] New Command Summary Version 2.0
    by "Chuck Adams K5FO" <adams@ticnet.com>
22) [42111] Re: re potato ricer
    by "Graham Firth" <Graham.Firth@BTinternet.com>
23) [42112] Re: sierra tuning
    by hw.merz@t-online.de (Hanns W. Merz)
24) [42113] Re:Refresh of old code skills--suggestions?
    by Bob Cooley <ad4mz@hotmail.com>
25) [42114] Cute and Cuddly CW
    by Bruce Muscolino <w6toy@erols.com>
26) [42115] Re: Small Parts Source
    by Ray Colbert <af852@rgfn.epcc.edu>
27) [42116] Re: ARC and Kits?
    by "David Hurley, n2zhy" <n2zhy@amsat.org>
28) [42117] Another Free Logger.
    by "Vincent Ferme" <vferme@sprint.ca>
29) [42118] summary of sierra module storage ideas
    by Gary Slagel <gdslagel@yahoo.com>
30) [42119] Re: Cute and Cuddly CW
    by "Bob Duckworth" <wb4mnf@atl.org>
31) [42120] Trade
    by "Francis Callahan" <colcal@srv.net>
32) [42121] Re: Cute and Cuddly CW
    by Steven Mann <smann@advi.net>
33) [42122] Re: Why 3.6864?
    by Dean W Manley <kh6b@juno.com>
34) [42123] TAC contest
    by "Steven Weber" <kd1jv@moose.ncia.net>
35) [42124] Re: Cute and Cuddly CW
    by Jeff Davis <jeff@jehosophat.com>
36) [42125] Re: Cute and Cuddly - or "Warm and Fuzzy" CW
    by w4pj@w4bkx.ampr.org
37) [42126] Re: Small Parts Source
    by "J. W. Stevens" <jwsteven@concentric.net>
38) [42127] Dayton Report/Some pix
    by "Jim Stafford, W4QO" <w4qo@amsat.org>
39) [42128] Re: Why 3.6864?
    by "John J. McDonough" <jjmcd@tm.net>
40) [42129] AL7FS - QRP TAC Contest Notes 3 (final)
    by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
41) [42130] Re: Old RTTY machines
    by K2UD@aol.com
42) [42131] Re: 6 meter z-match
    by K2UD@aol.com
43) [42132] Re: making CW cuddly and irresistable

    by K2UD@aol.com
 44) [42133] 38 Special
    by K2UD@aol.com
 45) [42134] TAC QRP Contest Log...de Jack, WA7LNW
    by Jack Reed <wa7lnw@infowest.com>
 46) [42135] TAC Entry - N2CQ
    by Ken Newman <N2CQ@citnet.com>
 47) [42136] Wiring speakers
    by Richard Sherman <srichard@aldus.northnet.org>
 48) [42137] Re: 6 meter z-match
    by david fouchey <dafouchey@home.com>
 49) [42138] Antenna Launching --EZ-Hang.
    by "Benjamin F. Poinsett" <benmail@erols.com>
 50) [42139] How I Spent My Weekend
    by Brian Short <bshort@speedchoice.com>
 51) [42140] Hellschrieber - Another QRP-friendly digital mode !
    by "Michael Babineau" <michael.babineau@sympatico.ca>
 52) [42141] Re: Antenna Launching --EZ-Hang.
    by Roger Hightower <n7kt@earthlink.net>
 53) [42142] Re: Wiring speakers
    by "Steven Weber" <kd1jv@moose.ncia.net>
 54) [42143] Re: Hellschrieber - Another QRP-friendly digital mode !
    by "Vincent Ferme" <vferme@sprint.ca>
 55) [42144] Re: Wiring speakers
    by Richard Sherman <srichard@aldus.northnet.org>
 56) [42145] WTB: MFJ 20M SSB Transceiver.
    by "Vincent Ferme" <vferme@sprint.ca>
 57) [42146] Re: Cute and Cuddly CW
    by David Hinerman <wd8civ@worldnet.att.net>
 58) [42147] PLL and DAC needed
    by James Skalski <jskalski@localnet.com>
 59) [42148] wtb: mfj 418 morse tutor
    by Yoga1948@aol.com
 60) [42149] Re: Hellschrieber - Another QRP-friendly digital mode !
    by George F Franklin <w0av@juno.com>
 61) [42150] Re: Cute and Cuddly CW
    by N7YA@aol.com
 62) [42151] Re: Cute and Cuddly CW...wait a minute
    by N7YA@aol.com

Date: Sat, 05 Jun 1999 17:50:39 +0000
From: Tim Ahrens <tahrens@hilconet.com>
To: gdslagel@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42090] Re: How/Where do I store Sierra band modules?
Message-ID: <3759636F.5237E8ED@hilconet.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

When I had my Sierra, I put velcro on the inside top of the case, and
the matching part on the top of each module. That way, when not in use,
it would 'stick' to the cover.

my .02!

cu

Tim W5FN

Date: Sat, 5 Jun 1999 20:02:20 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [42091] TAC Contest Score
Message-ID: <002d01beafaf$d95de6e0$0f5445c6@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I want to thank everyone that was running the TAC Contest
today. Next year the N3EPA call will be a bonus multiplier.
Hope the bands are better next year. I made a total of 41 Q's.

When sending in your score, please put the following in the
subject line:

TAC Contest Score (Ur Call)

Thanks,
72 & 73
Good DXing
Ron de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1   NJ QRP #179

KL7 QRP # 309 G-QRP # 3031
ARCI QRP # 5318 10 - X #13173
NorCal # Zombie #625

SETI @ Home Project
http://setiathome.ssl.berkeley.edu

Date: Sat, 5 Jun 1999 20:05:44 EDT
From: KF6PJM@aol.com
To: qrp-l@lehigh.edu
Subject: [42092] Trouble building Ten-Tec 1340 kit
Message-ID: <b2aea96a.248b1558@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My sister & I are building two Ten-Tec 1340 kits at the same time, and having the same problem with both rigs. The Phase 3 progress test, following assembly of the transmit mixer and 7 MHz filter stage, requires us to see 7 MHz on C61 with our frequency counter. We get no output at C61. The last place we see 7 MHz is on C63 on the lead closest to L12. Replacing C63 didn't help. We did do some "screwdriver jockeying" on L12 & L13, but not before we replaced C63. The odds of both of us making cold solder joints in the same spot(s) isn't too likely. I've built many a Heathkit in my time, so I'm not a kit novice, and sure, I've screwed some boxes up so bad that only Benton Harbor could make 'em talk, but our work doesn't look too bad on these Ten-Tecs. So, if anybody else has built a 1340 and has a clue as to our problem, we could use your thoughts.
TNX ES 72
K6JS JOE
KF6PJM YVONNE

Date: Sat, 5 Jun 1999 17:47:57 -0700
From: "Dennis B. Dolle" <dolledb@cet.com>
To: <qrp-l@lehigh.edu>
Subject: [42093] Miscellaneous Musings
Message-ID: <004801beafb6$9c22fd40$8b5a60ce@dolledb>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fellow Masochists,

A few notes from today's activities...

My VE3DNL marker generator came today, thanks to the efforts of Jay Bromley and the Arkansans. Got it all put together in a few minutes and get a good square wave on the oscilloscope. Haven't tested it on a radio yet.

After having seen a few posts regarding Kester 245 "No Clean" solder, I ordered a roll from Technitool when I bought a few other items. Only $6.60 for a one-pound roll. Boy! You guys are right about this stuff. Used it to build the marker generator. Works great and no need to clean flux from the board...a chore I hate almost as much as looking at flux on my hard-done soldering. I'm impressed by the finished appearance of the soldering and the fact that this solder seems easier to use, for some reason, than the Radio Shack solder I've used in the past. All the other solder I have will probably stay in the box now.

Speaking of the oscilloscope, bought a HP 1740A through e-mail auction from Compudigital Industries. Compudigital described the external condition and CRT as excellent and stated that the scope appeared to work based on the limited tests performed. They must have been pretty limited tests because the scope worked in the horizontal but wouldn't do vertical...a fairly significant limitation. Of course, no guarantees accompany equipment purchased in this manner. I was crestfallen! I opened the case and found a .01 mfd capacitor in the vertical amplifier that looked a little toasted. Sure 'nuff, the trusty multimeter indicated the cap was shorted. I found a replacement in the junk box, stuffed it in, and voila...a perfectly good 100 mHz scope for $100. Lesson here is that we carry around a lot of good test equipment everywhere we go...good eyes, sensitive nose, ability to sense heat and cold, and ears sticking out the sides of our heads to hear those funny sounds. Glad I took a good look before I started tearing things apart. I don't know beans about oscilloscopes...never looked inside one before today, but was able to get this one fixed. I'll remember this experience next time I try to troubleshoot that kit or homebrew project.

Hope this info proves helpful.

Dennis, K7YN
Spokane, WA

Date: Sat, 5 Jun 1999 21:06:53 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:n2zhy@amsat.org" <n2zhy@amsat.org>

Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [42094] N2ARC/qrp American Red Cross NJ;First Contact
Message-ID: <199906052109_MC2-783B-2E84@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
      charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

David:

Wow! Well the pleasure was all mine. Condtions generally were tough on 20
Metres. I had hoped for great conditions, having my first time off in
several months. But you were easy copy here, and it was a blast to work
you.

Setup here was the Sierra with the DL 5-watt amp. Antenna was a makeshift
deal--a windom installed only 5 feet above the roof of a two-story motel
(living here temporarily while my house is being completed).

Thanks again for the contact. Hope you had a great day there.

PS any chance of exchanging QSL cards? If so, note my new mailing address.
 Same city, but a new PO Box.

GL es 72,
--Doc Lindsey/K0EVZ
   DSBF
   PO BOX 6028
   Bismarck, ND 58506
   70511.3041@compuserve.com

Date: Sat, 5 Jun 1999 21:07:09 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:al7fs@pobox.alaska.net" <al7fs@pobox.alaska.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [42095] AL7FS not heard at K0EVZ
Message-ID: <199906052109_MC2-783B-2E89@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
      charset=us-ascii
Content-Disposition: inline

Content-Transfer-Encoding: 7bit

Jim:

Well I have not heard you all day. Been listening. Very few signals overall, even QRO. I did spot N4BP, but he was barely above a whisper here. So condtions must be horrid.

Oh well, maybe tomorrow. I have a couple of days of rest, and am hoping conditions might really improve for some hamming.

72,
--Doc Lindsey/K0EVZ
   DSBF
   PO BOX 6028
   Bismarck, ND 58506
   70511.3041@compuserve.com

Date: Sun, 06 Jun 1999 01:09:23 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
To: qrp-l@lehigh.edu
Subject: [42096] Why 3.6864?
Message-ID: <3.0.16.19990605021022.2fafad8e@som-uky.campuscw.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Someone satisfy my curiosity. I know the crystals are
available from mouser, digi and the rest, so what is the
commercial application of this frequency?

Cheers,
...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>
"The deadly yellow snow from right there where the huskies go" - Zappa

---

Date: Sat, 05 Jun 1999 20:38:45 -0500
From: "Charles W. Sanders" <no5w@flex.net>
To: al7fs@qsl.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42097] TAC Contest Condx
Message-ID: <3759D125.9B025BE9@flex.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim -

Condx same here in southeast Texas for the the TAC. It was a struggle
but I managed to work Bob N4BP on 20m -- much weaker than usual and he
had to request several repeats from me. Also I heard you in there
calling CQ at about 339 -- this was around 2050Z on 20m I believe but
guess you couldn't hear me.

Tuned 15m and 10m but no activity and not many QRO stations. Then
decided to do something else!

72/Chuck/NO5W

Date: Sat, 5 Jun 1999 10:05:49 -0400
From: "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42098] Reflex Receiver
Message-ID: <000a01beaf5c$884dba80$144b9ace@hhurst>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

While listening to 19 meters on my regen this afternoon, I remembered a
radio I built as a kid. It used 1 transistor as an rf amp and the output
was fed back into the transistor to use it as an audio amp also. It didn't
oscillate, and wasn't a regen, I remember it was called a reflex receiver,
but I don't remember the details. Anyone?

Thanks

&72 de WA3PTG

Friend of "Mick", the Australian Cattle Dog, Dedicated Ball Chaser, and
Faithful Companion.
(as long as you keep throwing that ball!)

Date: Sat, 05 Jun 1999 21:59:09 -0400
From: david fouchey <dafouchey@home.com>
To: no5w@flex.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42099] Re: TAC Contest Condx
Message-ID: <3759D5ED.2436AF65@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Oddly enough Bob was a solid 569 in South East Michigan but apparently
didn't here me. right underneath him was an N2?? as well as a very weak
WA7, other than that mostly just noise.

Dave
WA4EMR

"Charles W. Sanders" wrote:
>
> Jim -
>
> Condx same here in southeast Texas for the the TAC. It was a struggle
> but I managed to work Bob N4BP on 20m -- much weaker than usual and he
> had to request several repeats from me. Also I heard you in there
> calling CQ at about 339 -- this was around 2050Z on 20m I believe but
> guess you couldn't hear me.
>
> Tuned 15m and 10m but no activity and not many QRO stations. Then
> decided to do something else!
>
> 72/Chuck/NO5W

Date: Sat, 05 Jun 1999 21:38:16 -0500
From: James Parsons <k5rov@earthlink.net>
To: qrp-l@lehigh.EDU
Subject: [42100] Change of Address...
Message-ID: <3759DF18.CD546195@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Please note my new address is k5rov@earthlink.net. The old address of

k5rov@wcc.net is no longer valid. Messages sent to the old address may
be lost.

Thanks and 73,

Jim, K5ROV
--
James (Jim) Parsons, K5ROV   USAF, Ret. Ham for 58 yrs.
k5rov@wcc.net   QCWA, NWQRP, Fists, ARRL
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

Date: Sun, 06 Jun 1999 02:42:03 +0000
From: Kirk Job Sluder <csluder@indiana.edu>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [42101] Re: making CW cuddly and irresistable
Message-ID: <3759DFFA.F012EAE7@indiana.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ok, just some comments as a no-coder.

To me at least the thing which is making learning CW
irresistable is the fact that learning CW would enable
me to work the world for less than $100 and a handful of
batteries. On the other hand, SSB, RTTY or Clover are pretty much
beyond my reach as working modes. The fact that CW is both
powerful and affoardable compared to other transmission
types is something which is very attractive.

CW its self is not very attractive to me. The fact that
a knowledge of CW allows me to build, test and use my own
radios is very attractive.

--
Kirk Job Sluder
KB9TUT
Bloomington, IN

Date: Sat, 05 Jun 1999 22:51:20 -0400

From: Michael C Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [42102] NOGA QRP Club Meeting/Atlanta Hamfest Photos up on NOGA QRP site
Message-ID: <3759E227.CEB7A133@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Had a great time today. Everything from passing off Colpitts
oscillators as Y2K ready transmitters 8-) to Lemon Powered QSOs, to
milliwatts heating the either. Highlight was definitely having Rich
Arland, K7SZ, with us, autographing his new book, "Low Power
Communication, The Art and Science of QRP."

Photos of all the fun are on our webpage, http://www.qsl.net/nogaqrp.

TNX TO ALL ES 72 DE Mike, KO4WX

--
Mike Boatright, KO4WX
District EC, GEMA, Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man
contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

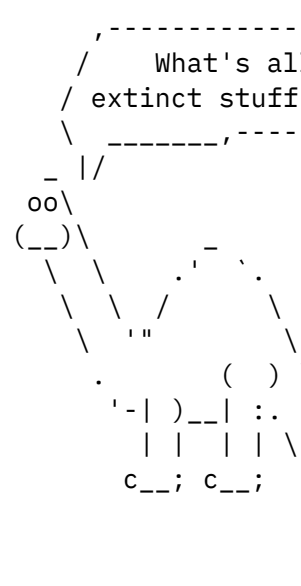
Date: Sat, 5 Jun 1999 20:03:23 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42103] Re: Reflex Receiver
Message-ID: <Pine.BSI.3.96.990605200131.2785B-100000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 5 Jun 1999, Harry T. Hurst, WA3PTG wrote:

> While listening to 19 meters on my regen this afternoon, I remembered a
> radio I built as a kid. It used 1 transistor as an rf amp and the output
> was fed back into the transistor to use it as an audio amp also. It didn't
> oscillate, and wasn't a regen, I remember it was called a reflex receiver,
> but I don't remember the details. Anyone?
>

Harry,
     The reflex receiver has been around for a very long time,
originating in the 20's and becoming more refined during WWII as a
means of getting more use out of a single tube, as well as eliminating any
radiated LO or oscillating regen receiver signals from broadcast receivers
used by US servicemen.

Chris



Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Sat, 05 Jun 1999 23:06:08 -0400
From: "The one and only!" <mitch96@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42104] Need a Gap Guru
Message-ID: <3759E5A0.41F5F206@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I know i can wait till monday and call them, but.....
I put up the gap titan today, i know i waited t000000ooooooo long, life
just keep getting in the way of radio. used their foldover gismo, works
well, goes up and down real easy. Anyhooo, Laced up the 40 meter

counterpoise and measured the frequency. Low and behold it resonates at about 8 mhz (per MFJ 259).....drat! Moved the counterpoise around, per instructions, decrease the length increase the resonant point. Increase the length, decrease the resonant point. Still no good. I think i have to much capacitance being induced from the aluminum roof that the ant. is sitting near. Or could it be that the counterpoise is too close to the metal flashing (aprox 5 inches).

Should i

A) increase the height of the support pole so the counterpoise is above the roof line?

B) increase the length of the counterpoise wire?

C) Go for a ride on the bike and wait till Monday to call gap.

Any of these are ok with me but i am interested in what any gap guru's think.

disresonant in hollywood,
Mitch ww4ml

Date: Sun, 06 Jun 1999 03:13:16 +0100
From: "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>
To: Qrp-l Posts <qrp-l@lehigh.edu>
Subject: [42105] Capacitor kit .....
Message-ID: <3759D93C.4C2970D5@mailhost.det.ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I can't believe I'm the first to get a capacitor kit?

Thanks Doug and what's that other guy behind the curtains name! You know, the one that gets to carry them to the post office! Jim something , yeah that's it. :-)

Walt k8cv

Date: Sat, 05 Jun 1999 20:27:21 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42106] AL7FS heard
Message-ID: <3759DC89.5EF3@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

AL7FS,

Heard you in New Mexico today on 20 meters, but very weak. Gave you a
call but no joy! Maybe next time!

72, Tom WB5QYT

Date: Sat, 5 Jun 1999 20:55:27 -0700
From: "Mike Silva" <mjsilva@jps.net>
To: <ka8okh@som-uky.campuscw.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [42107] Re: Why 3.6864?
Message-ID: <003201beafd0$7188c640$6bc5efd1@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It divides exactly down to the standard baud rates (300, 600,...9600,
19200,...)

73,
Mike, KK6GM

>Someone satisfy my curiosity. I know the crystals are
>available from mouser, digi and the rest, so what is the
>commercial application of this frequency?
>
>Cheers,
>...Rich

Date: Sat, 05 Jun 1999 22:56:22 -0500
From: Jay Freeman <jayFreem@direcpc.com>
To: al7fs@pobox.alaska.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42108] Re: AL7FS - QRP TAC Contest Notes 3
Message-ID: <3759F166.3D37F37D@direcpc.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I didn't hear anyone calling cq for the TAC on 15. But I have to confess once the band opened up to Europe I was led astray, worked IT9VMQ and Z32LM, had to look that prefix up, turns out it's Macedonia. Heard a Moroccan on but he couldn't hear me, tried for 3 different ZLs, but they couldn't hear me. Worked P43E on Aruba, and had a nice long chat with LU2YA. So my TAC score is zero, but I had a good time, anyway :).

Jim Larsen AL7FS wrote:

> 2133z na3vv on 15mtr ...will stay there for a bit
> --
> 73, Jim Larsen
> AL7FS - Anchorage, Alaska
> http://www.qsl.net/al7fs/
> mailto:al7fs@qsl.net

PS Jim, I did wonder for a moment if you would be on 15, when I heard a loud WL7 work that Moroccan :)

72/3,

Jay

--
--
* Jay Freeman - WT9S   ARRL *
* G-QRP 10319 QRP ARCI ?????   *
* SASS #18700   NRA Life *
--

Date: Sun, 6 Jun 1999 00:06:33 EDT
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [42109] Noisy TAC test on 20
Message-ID: <115436b7.248b4dc9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

20 sounded more like 40 tonight with the lightening storms. I still had fun. Highlights were Goran, EA8YU; Mik, DF4WX; Tony, G3MJX; and Victor, UY5YA. Our friend Cam, HP1AC was everywhere solid 569. Nice to catch Joel K1QM, who earlier in the month confessed that my NC20 was still whooping. But the real treat for me was catching Alan KB7MBI, up in Washingon, who sent and received 229, several repeats, but boy, does he have good ears! Thanks Alan! I only had 18 q's but they were certainly all over the place! Thanks also PA QRPers for the event.

-MAC-
KF4KSM
Odessa, FL

Date: Sat, 5 Jun 1999 23:05:25 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [42110] New Command Summary Version 2.0
Message-ID: <E10qT72-00070T-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

OK Gang,

Here is a short summary of some useful commands. Print this out and save it. Save this to disk and periodically browse and see if there is something of use. Make into a plastic card to carry around with you. Throw away all previous postings of this summary. As it turns out, the archives got so big that they were broken up into sub-dir's and not named under ARCHIVES-OLD.... Thanks to Henry, WA0GOZ, for the sharp mind that caught it early in the game......

tnx de K5FO

----------cut here----------

QRP-L COMMAND SUMMARY LIST --- VERSION 2.0 --- Jun 5, 1999

NOTES: your_name is to be replaced by your name, e.g. Ludwig Beethoven

your_call is to be replaced by your call, e.g. K5FJZ or NO_CALL

199X 9XMMDD means year 199X and month MM and day DD, thus
             1997 970208 is February 8th, 1997 and the digest for
             whole day

In some of the examples below the upper case letters are to avoid confusion. Not required unless so noted.

Your QRP-L numbers are for life. No need to redo it if you unsub and then come back later, go on vacation, etc. It is a non-contestable part of any divorce proceedings and non-transferable. It will not be reissued as part of a 'vanity-number' program. It cannot be willed to a family or non-family member. Let us know if you get a vanity call.

Some of the files in some of the directories that have a .ps in their name are PostScript files and must be printed or viewed using a PostScript compatable printer or viewer.

The ACK command will start back individual receipt of postings and terminates the DIGEST and POSTPONE commands.

email to @LEHIGH.EDU	command in body or message	results of same
LISTPROC	SUBSCRIBE QRP-L your_name your_call	get on the list
LISTPROC	UNSUBSCRIBE QRP-L	exit the list
LISTPROC	SET QRP-L MAIL DIGEST	rcv digest mode
LISTPROC	SET QRP-L MAIL POSTPONE	stop receiving
LISTPROC	SET QRP-L MAIL ACK	restart qrp-l mail
LISTPROC	RECIPIENTS QRP-L	get list of members and their email adrs
LISTPROC	INDEX QRP-L -ALL	list files online
LISTPROC	GET QRP-L/subdirectory filename	get file from list
LISTPROC	GET QRP-L WELCOME.TXT	get welcome file
LISTPROC	GET QRP-L/ARCHIVES/199X 9XMMDD	get one day posts
LISTPROC	HELP	get help
LISTPROC	RUN QRP-L X GETNR your_call	get secret number
LISTPROC	GET QRP-L/MISC MEMBER_NUMBERS.TXT	get secret nr list

```
LISTPROC     | RUN QRP-L X QRP_CALL                |  get calls by area
LISTPROC     | RUN QRP-L X FCC_CALL callsign       |  lookup up call
LISTPROC     | RUN QRP-L X CALLS2DIST call1 call2  |  lookup call2 & dist

QRP-L        | Message you want broadcast to group |  message to qrp-l
             | Put none of the above commands in message to the group.
             | Avoid repeating previously posted messages and lengthy
             | signature files, please.

ADAMS@TICNET.COM    message to Chuck, K5FO
LUJCE@LEHIGH.EDU    message to Jim, N3VXI

-------------+-------------------------------------+-----------------


ftp to

FTP.LEHIGH.EDU for ftp site.  Note that .Z should be omitted in
               GET command for getting files uncompressed.  Use
               filename without .Z extent.

web site

http://www.lehigh.edu/lists/archives/qrp-l  To get postings.

If you use the web facilities, please subscribe, then do a
POSTPONE.  You will show up on the list and you can post,
otherwise you will only be able to read from the list.


Chuck Adams K5FO adams@ticnet.com http://www.qsl.net/k5fo/

------------------------------

Date: Sun, 6 Jun 1999 05:37:58 +0100
From: "Graham Firth" <Graham.Firth@BTinternet.com>
To: <tedw@BTinternet.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [42111] Re: re potato ricer
Message-ID: <001701beafd6$5f5ac940$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi
> Can anyone please tell me the purpose of turning perfectly respectable
> potatoes into something resembling grains of rice?
```

You would call in mash!

Just leaving the UK - on our way to Hamcom!
Hope to see lots of you soon

72/3
Graham (with Tony by my side)
G3MFJ/W3MFJ (G4WIF/K4WIF)

Date: Sun, 6 Jun 1999 14:08:06 +0200
From: hw.merz@t-online.de (Hanns W. Merz)
To: qrp-l@lehigh.edu
Subject: [42112] Re: sierra tuning
Message-ID: <m10qbig-0003CFC@fwd09.btx.dtag.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8BIT
Content-Transfer-Encoding: 8BIT

Wayne Burdick wrote:

> Mike,
>
> The Sierra tunes that way because of the planetary drive on the VFO and the
> particular mixing scheme I used. If you want it to tune the other way,
> you're in for some tricky engineering ;)
>
> The easiest way might be to remove the tuning cap and replace it with a
> 10-turn pot and a large varactor diode. You can then wire the pot to tune
> either direction.
. . .

Wayne,

I tried this modification! But after a few days testing I repentantly returned to the variable capacitor and the planetary drive.

As you wrote, the varactor was more sensitive to temperature and there was more drift. Although I used a high quality 10 turn pot, I could hear the small steps while turning the knob, especially after I extended the rig's frequency coverage. And, last but not least! the variable capacitor with the planetary drive gives a MUCH more smooth feeling when turning the knob. As for my taste the varactor/10turn pot is not the better way and I learned that the design with

the var.capacitor is a really well considered compromise! But everybody may check it out for himself.

73,
Hanns DK9NL

Date: Sun, 06 Jun 1999 12:52:25 GMT
From: Bob Cooley <ad4mz@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [42113] Re:Refresh of old code skills--suggestions?
Message-ID: <19990606125225.74836.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Just to add to this thread from my military experience in the U.S. Army Security Agency as a morse interceptor I experienced the following:

I learned morse code at age 12 by visualizing the letters in my head. At age 20 I went through the military code training at Ft. Devens and had to make myself stop thinking about what letters I was hearing and just react subconsciously to a sound by hitting a key on the "mill". Once you get used to that, copying high speed code (ie above 30wpm) is easy. (but don't ask me what I just copied unless you let me go back and read it off the page).

Now at age 49, I enjoy my CW QSO's and mostly QRPp ones and have reverted back to my first method of copying by seeing letters and now words in my head. I don't write much down other than call signs and signal reports, especially while running cw mobile.

Just wanted to share this CW experience with others.

72

Bob AD4MZ

_____
Get Free Email and Do More On The Web. Visit http://www.msn.com

---

Date: Sun, 06 Jun 1999 08:59:18 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: QRP-L@LEHIGH.EDU
Subject: [42114] Cute and Cuddly CW

Message-ID: <375A70A6.22F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Is there something wrong with me? Am I going through a period of withdrawal after living in California for 30+ uears? Can CW really become a "Cute and Cuddly" thing? Or is it just another example of California going bezerk?

We all learned code to get our licenses, at least until the no-code option came along. Maybe one day we will not have to learn the codew to bvecome a radio amateur, maybe the law will change, and again, maybe it won't! But what's the problem?

CW is NOT "Cute and Cuddly". Do you seriously wnat to come home after work and curl up with your Key? I doubt it, a beer, a glass of wine, a Martini, and perhapr, a good looking Blonde, Brunette, or Redhead, beats a key by a mile!

CW is just plain old hard work. No one way of learning works for all hams. I know, it took me three years of trying to find the right way for me. Once I found it I was at 12 wpm in a month! Equipment selection conspired to make me a CW operator after that, I had been firmly headed towards becoming the next "voice of Ohio" before then!

But no matter how you learn it, for the first few weeks you'll think you're back in diapers trying to say 'daddy' or 'mommy'! But if you stick with it, just like your 1 year old, you'll soon be two and then three. Then you can get the license you want and do what you want. Isn't that what this hobby is all about anyway?

73

Date: Sun, 06 Jun 1999 07:18:48 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: qrp-l@lehigh.edu
Subject: [42115] Re: Small Parts Source
Message-ID: <375A7538.E4B51954@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Is this the same Alex that used to make one of the versions of

Texas Bugcatchers? If so, quality stuff.
--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, OOTC 3618, SOWP 1064M NCT2
(also w5xe@juno.com   El Paso,(FAR WEST) TEXAS

Date: Sun, 06 Jun 1999 10:07:49 -0400
From: "David Hurley, n2zhy" <n2zhy@amsat.org>
To: Robert E Straub <kc2aio@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [42116] Re: ARC and Kits?
Message-ID: <375A80B5.6303FFA5@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob:

We had the one borrowed mfj 20 rig last year but I just don't
remember. Post your question directly to the reflector :

Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

and you will get more info then you need.

Robert E Straub wrote:
>
> GM David - great work on your ARC accomplishments on Saturday !! Was the
> QTH at their headquarters on Alexander Road? After reading about the
> many ills of TenTec kits - both 20M and 40M - I have given up on them.
> It appears that in order to save some bucks you risk taking on other
> problems with the kits. I am leaning toward the MFJ 20M right now. At
> least with them you get a one year warranty of repair or replacement. My
> problem with MFJ is getting info from them. If I ever get the info from
> them and it is favorable I'll probably buy that rig. All I want to know
> is if the 5 watt output power is fixed or adjustable downward and does
> the unit have an earphone jack. I know you had someones rig at one time
> but I do not remember these features. I certainly don't want to have to
> use a speaker when going portable with it and I would like to run about 3
> watts instead of 5 watts. I'm thinking about battery drain. If I get

> the unit I'll probably get the AC adapter for it and that way I can run
> the unit here at home and conserve the gel cell for portable.
>
> Bob Straub
> kc2aio@juno.com

Date: Sun, 6 Jun 1999 10:21:43 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-l@lehigh.edu>
Subject: [42117] Another Free Logger.
Message-ID: <002301beb027$e7ef8600$763067d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Group,

Just downloaded this one, it is VERY good. Follow the instructions in the
readme file, the installation script is "hardwired" to the directories it
wants to see.

The URL is:

http://www.itis.net/golist/download.htm

73 de Vince, VE3VFN.

Date: Sun, 6 Jun 1999 07:46:07 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [42118] summary of sierra module storage ideas
Message-ID: <19990606144607.27633.rocketmail@web218.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hey gang - thanks for all the input on the band module
thing. I knew I could count on plenty of input from
you guys, lotta good answers.

Thought some of you might be interested in all the

answers I got.

For internal storage, hands down most popular is using
velcro and sticking them to the top of the case and
I'm going to raid the wife's craft room to see what I
can find for velcro.

External storage there's lots of ideas. Looks like a
video case is just the right size, easy to find and
thats the most popular. Also guys using cigar box,
little tackle box (kinda nice cuz the compartments are
adjustable and leave a little extr room for other
stuff), pencil box, handcrafted wooden box, pistol
case, cd case and my original zip lock bag but packed
a little tighter so they don't rattle. Anyway....
easy is good and I've got some video cases around here
so I thing I'll try that first and mebbe add some
velcro in there too (kinda like the picture that was
emailed to me!).

Thanks again & 73, Gary

===
Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: http://marina.fortunecity.com/sanpedro/351
____
Do You Yahoo!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Sun, 6 Jun 1999 10:40:48 +0100
From: "Bob Duckworth" <wb4mnf@atl.org>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42119] Re: Cute and Cuddly CW
Message-ID: <199906061451.KAA20201@hat-trick.atl.org>

If one wants to promote CW with the kids, figure out what
motivates the kids and tailor the approach to fit. We know
some kids are very sociable, They talk at school, talk on the phone,
talk in the chat rooms. We also know they like to have something
to brag about with their buddies. What better than being able
to brag about talking to someone in the south pacific via morse and radio.

-bob
wb4mnf

Date: Sun, 6 Jun 1999 09:54:21 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@lehigh.edu>
Subject: [42120] Trade
Message-ID: <199906061552.JAA16391@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone out there that would like to trade some QRP stuff for a
Hellicrafters S120 General coverage reciever with BFO reply direct
colcal@srv.net 72 Cal KF7ET

Date: Sun, 06 Jun 1999 12:08:16 -0400
From: Steven Mann <smann@advi.net>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42121] Re: Cute and Cuddly CW
Message-ID: <375A9CF0.E99C5F4B@advi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce,

I enjoyed your comments and was inspired to write a few of my own.

Why in the world would someone want to ride the bicycle? After all it's
slow, makes you sweaty in hot weather and its lousy for long distances.

Why in the world would an artist want to learn to paint with brushes and oil
paints. It's messy, it stinks and its so much more efficient to use a
computerized paint program to produce pictures. And you can post them on
the net.

Why would anyone who knows they'll never be a pro athlete want to spend hours practicing or playing golf, baseball or basketball?

Whatever the reasons for the above, these might be the same reasons for those who want to use continue using CW.

And another thing. Why is it that a musician will practice a piece for hours even when he (or she) already know how to play it?

Finally, how does a person learn to ride the bicycle? Obviously we're all different and couldn't possibly have all learned the same way. (That's what everyone says about cw, too.) I guess you just try and keep on trying and practicing until you find what works for you.

If you want to learn anything, you must work at it. And Practice! Practice! And more Practice! Even "inefficient" methods when practiced regularly will gain some results. And through persistence you'll find what works for you.

Of course if you don't give a "scatological comment" about golf, say you want to play just to get close to a client to make a sale, you won't become very good at it. The same is true for anything else, even CW!

Some people don't like CW and feel it's unnecessary. Others like it and fell CW is a part of the history, lore and romance of shortwave radio. For those who do, its a real pleasure. Maybe not cute and cuddly but still brings warm feelings when heard.

My nickle's worth.

Steve, N4EY

Date: Sun, 06 Jun 1999 12:13:47 EDT
From: Dean W Manley <kh6b@juno.com>
To: qrp-l@lehigh.edu
Cc: kh6b@juno.com
Subject: [42122] Re: Why 3.6864?
Message-ID: <19990606.061556.5391.0.kh6b@juno.com>

Hello Rich and group,

I'm advised that it is a computer microprocessor
crystal, and they are cheap

Aloha,
Dean KH6B

Hilo Hawaii

>From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>

>Subject: Why 3.6864?

>Someone satisfy my curiosity. I know the crystals are
available from mouser, digi and the rest, so what is the
commercial application of this frequency?

>Cheers,
...Rich
>Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>

_____
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or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 6 Jun 1999 12:02:20 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [42123] TAC contest
Message-ID: <199906061646.MAA14102@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Thanks to the "heads up" for this one, I got in on it.

I checked 20M from time to time, but didn't hear much of any state
side activity. I could just bearly hear N4BP and WA3WSJ making calls
and getting no takers, so I didn't try.

On the other hand, 40M was pleanty active and made about a dozen
contacts, mostly the usual line up of suspects...

The sprint ended too early for propagation on 40 to shift to the
mid-west, so only worked as far as NJ and PA.

Good way to kill an other wise slow Sat. afternoon :-)

Got on 20M phone late in the evening and worked a couple of special
event stations, RA2OOO and R200AP, with the WM-20 and 20 watt linear.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sun, 6 Jun 1999 11:47:41 -0500
From: Jeff Davis <jeff@jehosophat.com>
To: Bob Duckworth <wb4mnf@atl.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42124] Re: Cute and Cuddly CW
Message-ID: <19990606114741.A13884@jehosophat.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Quoting Bob Duckworth (wb4mnf@atl.org) [990606 10:40]:
> If one wants to promote CW with the kids, figure out what
> motivates the kids and tailor the approach to fit. We know
> some kids are very sociable, They talk at school, talk on the phone,
> talk in the chat rooms. We also know they like to have something
> to brag about with their buddies. What better than being able
> to brag about talking to someone in the south pacific via morse and radio.

Well said Bob ... and I think it is worth mentioning that all those chat
rooms on the Net are keyboard to keyboard. So those kids (and anyone
else who use them) are sending data back and forth one letter at a
time,,, just like CW!

So often we hear that CW is outdated because it is so slow and *new
technologies* like the Internet are challenging it, and yet todays most
popular feature on the Net seems to be "chat rooms" where people are
typing back and forth, one letter at a time, for hours on end...

--
72 de Jeff, N9AVG
QRP-L 1640

Date: Sun, 06 Jun 1999 13:30:15 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [42125] Re: Cute and Cuddly - or "Warm and Fuzzy" CW
Message-ID: <74464@w4bkx.ampr.org>

My take on the allure of CW operating...

My OM was a Navy Op in WWII and when I was old enough to read and write,

he taught me the code. I wasn't really very enthusiastic at the time, age 4 or 5, but being able to talk with Dad (by audibly entoning, didahdahdit didah dididit dididit, dah didididit dit, dididit didah didahdidit dah... at the dinner table) and getting on Mom's nerves with the "secret" code was kida cool <g>.

It wasn't till many years later (30+) that I became interested in Ham Radio (even though I was exposed to it as an adolescent from my Grand-Father on my Mothers side - who had his "HamShack" in his upstairs loft).

Today of all days, is the time to show respect for the men who gave it up on the beaches of Normandy, and not to forget the women that supported them back home. Too many times these days I see some younger person (twit) not giving these elder folks the respect they deserve. At the grocery checkout counter, or on the highway etc. They fail to realize that the world we live in and much of the lifestyle we enjoy was created by these very same "old geezers". They take these things for granted, and in fact they ARE granted, without any thanks asked for. The things like... telephone...traffic light...velcro...television...computers.... even logos on printed T-shirts... I can go on and on. Who do they think invented these things??? K-Mart?

Well, I for one, want to be included by the old-timers of Ham Radio in their group even though I could be a grandson rather than a peer. I am fascinated by many of the stories and one by one their keys go silent and their tales no longer told. To become "one of them" the code is the password. It links (or used to) all Amateur Radio Operators together into one big fraternity regardless of nationality, language, religion, ethnicity or politics. Morse Code is the "secret handshake" and the key to membership into a worldwide brotherhood that transcends all limitations to free and unfettered communication.

I think *** THAT *** is "Way Cool!" (Warm and Fuzzy)

de Scott / W4PJ (Hamming since 1992 - pounding brass since 1959)
P.S. I'll save my thoughts on learning the code for another day.
     The first requisite is desire.

Date: Sun, 6 Jun 1999 12:49:19 -0500
From: "J. W. Stevens" <jwsteven@concentric.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42126] Re: Small Parts Source
Message-ID: <01BEB01B.1B8EC6E0@ts002d20.bat-la.concentric.net>

This is indeed the same Alex that made the bugcatchers some years ago and still does upon occasion. Excellent quality, service, and a fine gentleman.

72 Really satisfied customer.
     John Stevens, K5JS

Date: Sun, 06 Jun 1999 14:06:44 -0400
From: "Jim Stafford, W4QO" <w4qo@amsat.org>
To: nogalist <nogaqrp@qth.net>, QRP-L <qrp-l@lehigh.edu>, Buck Switzer N8CQA <n8cqa@tir.com>, "Jim Stafford, w4qo" <w4qo@amsat.org>,
     "Ken Evans, W4DU" <w4du@bellsouth.net>, Mike Czuhajewski WA8MCQ <wa8mcq@erols.com>, "Mark Milburn, KQ0I" <kq0i@juno.com>,
Subject: [42127] Dayton Report/Some pix
Message-ID: <375AB8AF.DF629053@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I may be slow (too many hamfests these days) but the first part of the Dayton info is on the QRP ARCI site. Just follow your way thru to the NEW sign on the Dayton page. Find out who won what. Also, more pix to be uploaded soon.

Also, check out the NoGa QRP pix from yesterday (yes, Mike, KO4WX, is real fast!!) at the Atlanta hamfest. Those pages can also be found via the ARKIE news page.

Just click on: http://www.qrparci.org

HamCom next......
--
Jim Stafford, W4QO 770-993-9500 VP - QRPARCI #6615
11395 West Road 770-993-8932 fax Mgr - W4WOW SciTrek
Roswell, GA 30075 w4qo@amsat.org Dir- RadioActive Schools
DBA/Stafford Enterprises/By Jimeny SCF
http://www.america.net/~w4qo

Date: Sun, 6 Jun 1999 14:16:18 -0400
From: "John J. McDonough" <jjmcd@tm.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42128] Re: Why 3.6864?
Message-ID: <002601beb048$ae551ce0$010044c0@mdp23b>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Years ago, PC video boards used this frequency and it became a standard for it to be provided by the motherboard. As a result, all motherboards, regardless of the computer's clock, included this frequency. Back in those days a lot of stuff was tightly coupled to reduce parts count, and for some number of dots across the screen at some scan rate this frequency made sense.

Nowadays, I don't believe any video boards use it, but to be 'standard' I think most motherboards still provide it.

72/73 de WB8RCR   http://www.qsl.net/wb8rcr/
didileydadidah   QRP-L #1446 Code Warriors #35

Date: Sun, 06 Jun 1999 10:23:53 -0800
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [42129] AL7FS - QRP TAC Contest Notes 3 (final)
Message-ID: <375ABCB9.610ACCA1@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings from Alaska!

Well, considering that the band was fickle and only opened marginally, I had a good time. Some openings were strong (well, sorta) but only 2 minutes long. Almost none of the openings lasted over 15-20 minutes. I logged 13 QSOs for the contest.

Worked: (20m)=kb7mbi, ve6bir/7, kd0ca, nu6u, k8jd, ve6ewm, (15m)=na3vv (20m)=w0av (15m)=w4kfb, w9cl(his 50mw), n6mm, ve3jc (20m)=wa7lnw

Worked but not TAC complete (RSTs minimum): (20m)=kd6vmy, (15m)= k4bx

Heard but couldn't work: (20m)=n4bp, k1qm (15m)=n4bp

I have no idea what my score was (yet). I used the Kenwood TS-450S at 5 watts (WM-2) and the KLM KT-34A at 40 feet.

I note that a few of you heard me but I did not hear you. That is pretty typical. Even though my noise level was so low it did not move the meter, very often (if not most of the time) the lower 48 states hear me better than I hear you. Many times I give out 229 or 339 only to receive 429 or 549 and such. Life about 61 degrees north is very interesting when it comes to propagation. (Believe it or not, it even affects 2 meter EME and that is a hard one to believe.)

Thanks everyone...it was fun.
--
73, Jim Larsen
AL7FS - Anchorage, Alaska
http://www.qsl.net/al7fs/
mailto:al7fs@qsl.net

Date: Sun, 6 Jun 1999 14:43:25 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [42130] Re: Old RTTY machines
Message-ID: <727d2954.248c1b4d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Offer that old machine in Electric Radio want ads. You wouldn't believe how far somebody will drive to pick it up! I did the same, a ham drove from Virginia to New York to pick up a 28ASR I had. He took it to his dad's house in Texas. I simply offered it to a good home, and now it is in one!

Folks are still keen to use them, just like tube rigs.

72

Howard Kraus, K2UD

Date: Sun, 6 Jun 1999 14:53:51 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu

Subject: [42131] Re: 6 meter z-match
Message-ID: <446886d6.248c1dbf@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have one of the original ARRL inductance calculators, kinda like a slide rule. Given the wire guage, length, TPI and diameter, I can tell you the inductance of your coils. Give it a try.

72

Howard Kraus, K2UD

Date: Sun, 6 Jun 1999 15:10:17 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [42132] Re: making CW cuddly and irresistable
Message-ID: <ede17558.248c2199@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wayne and all,

My 12 year old son and 8 year old daughter are learning CW because they think it's cool! The daughter has to keep "even" with big brother you know, or she feels left out.

The point is they don't look at it as a hardship. If they don't practice for a number of weeks, it is amazing that they are able to recall everything without a problem! Must be the age I guess.

My son thinks that ham radio is NOTHING but homebuilding and CW. I'm not about to correct him! He's coming up the right way I believe. This summer's goal is a Novice license for him. He gets one of the 49er spy rigs and a 2N2/40 when he gets his ticket. He will be building the 2N2's in the meantime and thinks it is cool to work someone with something he built himself. He has already been exposed to "other" types of hams, i.e. appliance operators and sees no virtue in going that route himself.

The future does look promising, and yes, it IS our responsibility to carry on this type of tradition.

Howard Kraus, K2UD

Date: Sun, 6 Jun 1999 15:28:26 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [42133] 38 Special
Message-ID: <2fdc14db.248c25da@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My friend Shane, WB2WPM (wouldn't you just kill for that call?) is experiencing difficulty with his 38S. He hears noise, but no signal. No xmit either.

I recall the "wrong crystal" syndrome that some folks experienced. Question is, how can you determine if you have the "wrong" crystal, and what is and where can you get the "right" crystal?

I will forward any info to Shane on the 38S that anybody can provide. We'll see if he has the wrong xtal, and if not, go to work troubleshooting his rig against my working rig.

Thanks to all,

Howard Kraus, K2UD

Date: Sun, 6 Jun 99 13:48:04 -0600
From: Jack Reed <wa7lnw@infowest.com>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [42134] TAC QRP Contest Log...de Jack, WA7LNW
Message-ID: <19990606194644.0508B20F20@infowest.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hello fellow TAC QRP Contest Participants.....

Here is my log for this year's TAC QRP Contest.

Call : WA7LNW

Location: near Zion National Park, UT

Mailing address : Jack Reed, WA7LNW
39 South Main
Hurricane, Utah 84737

TAC : 435

Categories : QRP 4 watts and Home-brew

My contest report sent : 559 - Jack - 435

Station : Norcal 20 QRP tranceiver, battery powered, single element = wire delta loop @ 40'

Date	Freq	Mode	Pwr	Time	Call	Report	QSO Pts
6-5-99	14.0	CW	4w	1845	N8NR	559-Bill-906	5
				1900	N2GA	559-George-914	5
				1903	KB7MBI	559-Alan-425	5
				1919	W3KC	559-Chas-301	5
				1930	VE3JAC	559-John-519	5
				1935	VE6BIR/7	559-Dave-250	5
				1946	K1VP	449-ED-603	5
				1948	VEW6EWM	579-Earl-403	5
				1950	N2CQ	559-Ken-409	5
				2001	N9BPE	559-Carl-217	5
				2012	N4BP	559-Bob-954	5
				2018	KK5IB	559-Darryl-870	5
				2020	KD=D8CA	559-Jerry-516	5
				2119	N=D8AAA	559-Jan-319	5

```
                                        2347    N3EPA     549-Ron-610X
              10
                                        2352    N4ROA     549-Dan-540
                   5
                                        2354      AB5UA
         579-Clif-405                5
                                        2356    AL7FS     339-Jim-907
                    5
                                    2358    NA3V       559-Jim-814X
                   10

QSO Pts       TAC           Category Pts           Final Score
  105           19              2,000                              3,995
                              QRP 5W + Homebrew


Rough band conditions this year...but lots of fun chasing area codes =
as multipliers.
Gave my Norcal 20 QRP tranceiver a good workout along with my =
homebrew wire delta loop antenna.
Plan to operate QRPp portable from Zion National Park during next =
year's event.

73's de Jack, WA7LNW


------------------------------

Date: Sun, 06 Jun 1999 15:49:33 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-l@lehigh.edu, njqrp@njqrp.org
Cc: QRP-L@lehigh.edu
Subject: [42135] TAC Entry - N2CQ
Message-ID: <3.0.6.32.19990606154933.007bc580@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi TACers,
 A very fine contest if I may so!  I set up my homebrew equipment
(NW80/20 on 20M and OHR100A on 40M) but couldn't go "TACtical"
due to job availability. I also set up a "Template" for the NA
software for TAC.  I had a "new" old laptop I needed to try before
Field Day.  That definately made it a training session to use software
AND hardware for a test!
 The condx on 20 were poor at best with heavy static when pointed
west and very quiet toward europe.  Most signal was weak and
N4BP was there as usual but not strong.  I think Bob had to swing
his beam to copy me which is most unusual.  Many signals were right
```

at the mud with several repeats. 24 QSO's on this band.
 40 Meters was twice as good (48 QSO's) with lots more activity.
72 Qs seemed like a good number to end it on a QRP contest!
 Antennas were my home antlers (TA33jr Tribander and Doublet).
Best DX? HP1AC was excellent copy and the only DX worked. TNX Cam.
 Hope all had as much fun as I did, and hope to do it again in 2000.

Ken - N2CQ   N2CQ@ARRL.NET

==========
ENTRY FORM - DUE BY 15 JULY 1998. PLEASE ATTACH LOG SHEET.

CALL: N2CQ   NAME: Ken Newman

LOCATION: Home Location - Woodbury, NJ

MAILING ADDRESS: 81 Holly Drive
                 Woodbury, NJ 08096

TELEPHONE AREA CODE OR COUNTRY PREFIX: 609

CATEGORIES ENTERED (NO MORE THAN 4 MAY BE CHECKED)

QRP |X|

QRPp |_|

TACTICAL |_|

HOMEBREW |X|

NEWBIE |_|

TOTAL QSOs (EXCEPT PA TACs) X 5 POINTS = 315

TOTAL QSOs WITH PA TACs X 10 = 90

TOTAL QSO POINTS = 405

TOTAL OF TACs AND Country prefixes = 44

MULTIPLY TOTAL QSO POINTS BY TOTAL OF TACs and   Prefixes = 17820

ADD 1000 POINTS FOR EVERY CATEGORY ENTERED TO ABOVE SCORE TO OBTAIN TOTAL

CONTEST SCORE
= 19,820

MAIL TO:

Ronald J Polityka
1155 Robeson St 2nd Flr
Reading, PA 19604-2151

OR EMAIL TO: wb3aal@talon.net (Text files only, no attachments! Please put TAC in subject line.)

==========

72/73 de
Ken Newman - N2CQ
Woodbury, NJ

N2CQ@ARRL.NET

~~~NJ QRP Club Home Page ~~~
http://www.NJQRP.org

~~~Club Callsign~~~
WQ2RP

Date: Sun, 06 Jun 1999 15:55:29 -0400
From: Richard Sherman <srichard@aldus.northnet.org>
To: qrp-l@Lehigh.EDU
Subject: [42136] Wiring speakers
Message-ID: <3.0.1.32.19990606155529.007f6c90@aldus.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've got a bunch of old speakers that I'd like to test and one in particular that I'm looking at. The question I have is, this speaker does not have any markings for + or - polarity on it. How would one determine the polarity to ensure it was hooked up correctly? Swapping the leads at the phono plug didn't seem to make any difference when the speaker was hooked up to the HF rig. If it makes a difference, this particular speaker

is marked: Pioneer, 3w, 8ohms. Thanks in advance for any help.
72 de Rick WZ2T Duane, NY Franklin County NNY

srichard@northnet.org
   ---If you're not part of the solution,
             You're part of the precipitate.---
                    Steven Wright

Date: Sun, 06 Jun 1999 16:00:26 -0400
From: david fouchey <dafouchey@home.com>
To: K2UD@aol.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42137] Re: 6 meter z-match
Message-ID: <375AD35A.38DE8C2E@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ah you have the SECOND version of the ARRL Lightning Calculator, I have
the first and second, the first being a circular slide rule type on an
8-1/2 x 11 base....

Dave WA4EMR

K2UD@aol.com wrote:
>
> I have one of the original ARRL inductance calculators, kinda like a slide
> rule. Given the wire guage, length, TPI and diameter, I can tell you the
> inductance of your coils. Give it a try.
>
> 72
>
> Howard Kraus, K2UD

Date: Sun, 06 Jun 1999 16:07:47 +0000
From: "Benjamin F. Poinsett" <benmail@erols.com>
To: qrp-l@Lehigh.EDU
Cc: benmail@erols.com
Subject: [42138] Antenna Launching --EZ-Hang.
Message-ID: <375A9CD0.11AB@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Gang,

I just got back from the Manassas,VA Hamfest.

I found the answer to my antenna launching problem.
Living in a condo is not conducive to having nice
wire antennas outside. So I have go to parks and
commune with nature to have a 40 meter dipole. Typically
I use a slingshot to get the antenna up in a tree. Some-
times it gets messy with the extra stuff I need to do
this. That is, slingshot, lead weights, monofilament
fishing line, etc.

At the Hamfest there was an outfit selling the "whole kit
and kaboodle" in a very nice package. It has a "Marksman"
slingshot, a Zebco 33 spinning reel with 10# test line and
a weight ready to use. Neat!

The company is EZ Hang,Inc. and they have a website at
www.ezhang.com. Check 'em out. The EZ Hang unit sells for
$49.95 plus shipping. If your Maryland resident add 5% tax
for the Peoples Republic of Maryland.

I have no connection with the company. I'm just a happy
customer.

72 & 73,

Ben Poinsett, K3BP

Date: Sun, 06 Jun 1999 20:42:54 +0000
From: Brian Short <bshort@speedchoice.com>
To: qrp-l@lehigh.edu
Subject: [42139] How I Spent My Weekend
Message-ID: <4.1.19990606203827.02190a10@mail.phoenix.speedchoice.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

How I Spent My Weekend

I hadn't written Prolog code for nearly a decade, so the following was
thrown together this weekend as a refresher. It is standard Clocksin &
Mellish Prolog.

```
My plan is to expand on this for many functions relating to amateur
(ham) radio.

If anyone has similar interest, please contact me: k7on@arrl.net

---------------------------------------

/*

 The following relation (prefix/2) may be used to query the database
 comprising the prefix/7 relation by callsign or callsign prefix.

 For example:

   | ?- prefix( 'ZK1N', X ).
   X = prefix('ZK1N',['ZK1/N','North','Cook','Is.'],32,62,10.4,161,'OC')
   ;

   X = prefix('ZK1',['ZK1/S','South','Cook','Is.'],32,62,21.2,159.8,'OC')
   ;

   no

   | ?- prefix( 'ON4UN', X ).
   X = prefix('ON',['ON','Belgium'],14,27,50.9,-4.4,'EU')

   | ?-

 This is merely a demonstration of the purpose to which the database
 created (prefix/7) by the goal init/0 may be used.

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*/

prefix( X, Y ):-
   name( X, L1 ),
   prefix(Pfx, Name, CQ, ITU, Lat, Long, Cont ),
   Y = prefix(Pfx, Name, CQ, ITU, Lat, Long, Cont ),
   name( Pfx, L2 ),
   prestring( L2, L1 ).

prestring( [], _ ).
prestring( [X|Y], [X|Z]):- prestring( Y, Z ).
```

```
/*

 The following goal (init/0) is used to read the
 CTY.DAT file provided by the TR Log Program.

 A set of clauses comprising the prefix/7 relation
 is created in the database:

   prefix( Pfx, Name, CQ, ITU, Lat, Long, Cont )

 Where

    Pfx is a Prefix as an atom
    Name is a description as a list of atoms
    CQ is the CQ zone as a number
    ITU is the ITU zone as a number
    Lat is the latitude as a number
    Long is the longitude as a number
    Cont is the continent as an atom { EU, NA, SA, AS, OC, AF }

 Once executed, you may query the database.  For example:

    | ?- prefix( 'ZK1', Name, CQ, ITU, Lat, Long, Cont ).
    Name = ['ZK1/S','South','Cook','Is.'] ,
    CQ = 32 ,
    ITU = 62 ,
    Lat = -21.2 ,
    Long = 159.8 ,
    Cont = 'OC'

    | ?- prefix( 'ZK1N', Name, CQ, ITU, Lat, Long, Cont ).
    Name = ['ZK1/N','North','Cook','Is.'] ,
    CQ = 32 ,
    ITU = 62 ,
    Lat = -10.4 ,
    Long = 161 ,
    Cont = 'OC'

    | ?-

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*/

init:-
    see('cty.dat'),
    repeat,
     getln( W ), W \= [],
```

```
     (eof(W) ; (procln( W ), fail)),!,
    seen.


procln( W ):-
     makeatoms( W, A ),
     getfields( A, F ),!,
     F = [ Name, [CQ], [ITU], [Cont], [Lat], [Long], X, [Pfx|Q] ],
     checkprefix( Pfx, Q, P1, P2 ),
     F1 =.. [ prefix, P2, [P1|Name], CQ, ITU, Lat, Long, Cont ],
     asserta( F1 ),
     write( F1 ), nl.

procln( W ):-
    makeatoms( W, A ),
    proclnh( A ).

proclnh([]).

proclnh([W1|W]):-
    prefix(Pfx, Name, CQ, ITU, Lat, Long, Cont ),!,
    makeprefix( W1, CQ, ITU, W2, CQ2, ITU2 ),
    assert( prefix(W2, Name, CQ2, ITU2, Lat, Long, Cont ) ),
    proclnh( W ).


makeprefix( X, Y, Z, A1, Y1, Z1 ):-
   name( X, L ),
   append( L1, [40|L2], L ),!,
   name( A1, L1 ),
   makeprefixh( [40|L2], Y, Z, Y1, Z1 ).

makeprefix( X, Y, Z, A1, Y1, Z1 ):-
   name( X, L ),
   append( L1, [91|L2], L ),!,
   name( A1, L1 ),
   makeprefixh( [91|L2], Y, Z, Y1, Z1 ).

makeprefix( X, Y, Z, X, Y, Z ).

makeprefixh( [_|L], X1, Y1, X2, Y2 ):-
   append( L1, [41|L2], L ),!,
   name( A1, L1 ),
   makeprefixh( L2, A1, Y1, X2, Y2 ).

makeprefixh( [_|L], X1, _, X1, A1 ):-
   append( L1, [93|L2], L ),!,
   name( A1, L1 ).
```

```
makeprefixh( [], X, Y, X, Y ).


checkprefix( X, [], X, X ).
checkprefix( Pfx, [Q], P1, P2 ):-
     name( Pfx, P ), name( Q, [R] ),
     upcase( R, R1 ),
     append( P, [47,R1], Q1 ),
     append( P, [R1], Q2 ),
     name( P1, Q1 ), name( P2, Q2 ).


upcase( X, Y ):- X > 96, X < 123,!, Y is X - 97 + 65.
upcase( X, X ).


getfields( [], [] ).
getfields( A, [F1|F] ):-
     append( F1, [':'|Y], A ), F1 \= [], !, getfields( Y, F ).


getln( X ):- get0( C ), getlnh( C, X ).

getlnh( C, C ):- eof(C), !.
getlnh( C, [] ):- endofline( C ), !.
getlnh( C, [C|X] ):- get0( C1 ), !, getlnh( C1, X ).
getlnh( C, [C] ).


eof( -1 ).

endofline( 10 ).
endofline( 13 ).


makeatoms( X, [A|Y] ):- makeatom( X, X1, [], A ), !, makeatoms( X1, Y ).
makeatoms( _, [] ).

makeatom( [58|X], X, [], ':' ):-  !.
makeatom( [A1|X], X1, [], A ):-
    endofword(A1), !, makeatom(X, X1, [], A).
makeatom( [A1|X], [A1|X], Y, N):-
   endofword( A1 ), Y = [_|_], name(N, Y), !.
makeatom( [A1], [], X, N ):-
    not( endofword( A1 ) ), append( X, [A1], A ), name( N, A ), !.
makeatom( [A1|X], X1, Y, A ):-
    append( Y, [A1], Y1 ), !, makeatom( X, X1, Y1, A ).
```

```
endofword( 58 ). /* colon */
endofword( 59 ). /* semicolon */
endofword( 32 ). /* space */
endofword( 44 ). /* comma */
endofword( 42 ). /* asteric */
endofword( 47 ). /* slash */
endofword( -1 ). /* eof */

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```

Date: Sun, 6 Jun 1999 17:11:31 -0700
From: "Michael Babineau" <michael.babineau@sympatico.ca>
To: <qrp-l@Lehigh.EDU>
Subject: [42140] Hellschrieber - Another QRP-friendly digital mode !
Message-ID: <000f01beb07a$4c5fd480$0a91acce@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi :

I'm a bit behind on my digests so I hope I'm not duplicating something
already discussed recently!

I also subscribe to the PSk31 list and recently found out about another mode
called Hellschreiber (Hell) which is also starting to become popular and has
big
potential for QRP operation.

I'll keep it brief, Hellschreiber (German for "bright writing") is a mode
that was developed in 1927 by Rudolph Hell and is best described as
a primitive facsimilie mode transmitted via MCW.
In fact it is actually a number of related modes.
Like PSK31 it is oriented around rag chewing, but unlike PSk31 it is the
human eye/brain the decodes the signals as each character is transmitted
as a dot matrix. Like PSK31 it is starting to gain popularity
mostly because of the recent availability of a freeware Windows PC
application which
utilizes the soundcard to decode signals. The beauty of this mode is it is
really
simple like CW, very tolerent to interference and quite immune to the sort

of
phase interference that sometimes renders PSK31 useless.

If you are interested, check out Murray's excellent web page on
Hellschreiber and other Fuzzy Digital
Modes.

http://www.qsl.net/zl1bpu/

Again my apologies is this already been discussed to death in the last
couple of weeks!
I haven't got on the air yet with this mode, but I've been doing a lot of
monitoring and its
pretty neat so I wanted to share the info.

Michael (VE3WMB)

72

Date: Sun, 06 Jun 1999 14:13:44 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: benmail@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42141] Re: Antenna Launching --EZ-Hang.
Message-ID: <375A8218.1AC556A5@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Those folks must subscribe to the List....this idea has been around for
a while, but hasn't been patented. Costs far less than 49.95, too, :-)
--
73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Sun, 6 Jun 1999 15:49:07 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: srichard@aldus.northnet.org
Cc: qrp-l@lehigh.edu
Subject: [42142] Re: Wiring speakers
Message-ID: <199906062114.RAA01734@moose.ncia.net>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> particular that I'm looking at. The question I have is, this speaker does
> not have any markings for + or - polarity on it. How would one determine
> the polarity to ensure it was hooked up correctly? Swapping the leads at

Richard,

The polarity of a single speaker is of no concern. Makes no
difference which way the wires are connected.

However, in a mulit-speaker or stereo system, it does make a
difference. In this case, you want all the speaker cones to move in
the same direction for the same polatiy signal, or there might (will)
be cancelation of the sound, most noticably of the Bass. If the
speakers are not marked, using a 1 1/2 volt battery to see what
direction the cone moves lets you insure they are connected the same
way.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sun, 6 Jun 1999 17:26:18 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42143] Re: Hellschrieber - Another QRP-friendly digital mode !
Message-ID: <005601beb063$37b1c280$053467d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

And an excellent freeware to play with all flavours of "Hell" is available
at the following URL:

http://www.freeweb.org/varie/ninopo/radio/Hell/index.htm

As the users of the mode say : Hope to see you ON Hell. :))

73 de Vince, VE3VFN.

Date: Sun, 06 Jun 1999 17:35:06 -0400
From: Richard Sherman <srichard@aldus.northnet.org>
To: <qrp-l@Lehigh.EDU>
Subject: [42144] Re: Wiring speakers
Message-ID: <3.0.1.32.19990606173506.0080c150@aldus.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks for all the info on my speakers. All responding indicate that the polarity of the speaker does not matter when you're dealing with only one speaker. The polarity only comes into play when using 2 or more speakers. Then one uses a 1 1/2 volt battery to determine the direction of cone movement and thus the polarity of the speaker. You will then ensure that all speakers move in the same direction with no sound cancelling. If my summary is incorrect, please post corrections to the list. Many thanks to all who answered my question, it's greatly appreciated.
72 de Rick wz2t

srichard@northnet.org
   ---If you're not part of the solution,
            You're part of the precipitate.---
                   Steven Wright

Date: Sun, 6 Jun 1999 17:36:23 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-l@lehigh.edu>
Subject: [42145] WTB: MFJ 20M SSB Transceiver.
Message-ID: <006801beb064$a0aa8320$053467d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Looking for one in good shape. I am not interested in the CW option, microphone is ok.

Buyer is price sensitive :)) , let me know if you have one available.

73 de Vince, VE3VFN.

Date: Sun, 06 Jun 1999 17:44:20 -0400
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [42146] Re: Cute and Cuddly CW
Message-ID: <3.0.6.32.19990606174420.0079b2e0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:40 AM 6/6/99 +0100, you wrote:
>If one wants to promote CW with the kids, figure out what
>motivates the kids and tailor the approach to fit. We know
>some kids are very sociable, They talk at school, talk on the phone,
>talk in the chat rooms. We also know they like to have something
>to brag about with their buddies. What better than being able
>to brag about talking to someone in the south pacific via morse and radio.

Or at least each other - there's a new "toy" put now that allows kids to
send brief "e-mails" to one another (including broadcast messages) with an
infrared link.

I thought the story posted here recently about the kids using Morse to fool
the ESP "expert" was great. I think that's one of the angles that would
catch some attention - "pull one over on your teachers."

Dave Hinerman - WD8CIV

Date: Sun, 6 Jun 1999 17:59:09 -0400 (EDT)
From: James Skalski <jskalski@localnet.com>
To: qrp-l@Lehigh.EDU
Subject: [42147] PLL and DAC needed
Message-ID:
<Pine.LNX.4.04.9906061751160.11780-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am having trouble locating a MC145158P PLL and a AD7543/PM-7543 DAC
Nobody seems to have these two in stock. Does anyone have any "sources" or
have any of these on hand?

I am back at work on the Intelligent transceiver project and am rounding up the last of the parts.
73,

Jim n2go

Date: Sun, 6 Jun 1999 18:07:30 EDT
From: Yoga1948@aol.com
To: qrp-l@lehigh.edu
Subject: [42148] wtb: mfj 418 morse tutor
Message-ID: <4ac62e19.248c4b22@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Looking for a mfj-418 (with lcd display) to get my seed up for the extra test. I believe I saw a few offered on the list recently.

I'm kinda low on radio funds but can go abt $50. If you have one in working condition and will let it go for that plse e-mail me .....Thanks....Gerald kg2jf

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Date: Sun, 6 Jun 1999 17:09:56 -0500
From: George F Franklin <w0av@juno.com>
To: michael.babineau@sympatico.ca
Cc: qrp-l@Lehigh.EDU
Subject: [42149] Re: Hellschrieber - Another QRP-friendly digital mode !
Message-ID: <19990606.171521.-161489.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Michael

I was very interested to read about your Hellschreiber work. Perhaps a little Hellschreiber trivia would not be out of order.

Right after WW2 I was stationed in Frankfurt, Germany with the US Military Government. Our second assignment (after putting Radio Frankfurt back on the air with 50KW on 1195 using German military equipment) we were tasked with building a 50KW Hellschreiber station

right down the road. As I recall, the frequency was 163 KHz.   We put up a spiderweb antenna (thick cables) between three GI 200 ft. towers arranged in a triangle.

I vividly remember using a farmers (borrowed) plow to lay 36 long, long radials. We broke the plow and had to pay him plenty! The transmitter used a number of German army components to provide European coverage for the DANA German news network, under close US Military Supervision, at the time.

Your story brought back lots of memories. Thanks!

de George/W0AV

Date: Sun, 6 Jun 1999 18:39:35 EDT
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [42150] Re: Cute and Cuddly CW
Message-ID: <4b53a6c1.248c52a7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 6/6/99 6:03:16 AM Pacific Daylight Time, w6toy@erols.com writes:

<< CW is NOT "Cute and Cuddly". Do you seriously wnat to come home after
 work and curl up with your Key? I doubt it, a beer, a glass of wine, a
 Martini, and perhapr, a good looking Blonde, Brunette, or Redhead, beats
 a key by a mile!   >>

 Well, if there was a good looking brunette waiting for me after work...i probably wouldnt even get on the radio!! actually, i consider CW to be an old friend, a sound of familiarity. I am a proud pro-coder and enjoy using it for all of my operating...thats just my choice.
  I am also a key buff, and i probably WOULD curl up with a beautiful antique bug or hand pump...theres just a beauty to it.
  So i would rate the above choices in this order...Brunette first, then Blonde or redhead...really doesnt matter, an Alembic 6-string bass with active electronics and gold plated hardware would be a close second....but often times first, a nice key or bug with the contacts almost touching would be right up there too, this stupid computer would be next due to the fact that im always on it, then a bottle of Coke since i quit drinking alcohol.
  Life is full of choices, and it really is meant to be enjoyed before we exit this world....otherwise it is wasted on worrying, bickering and just

plain being grumpy.

     Relax and have fun.....whether it be with a key or a brunette!!

                                          73...Adam, N7YA

Date: Sun, 6 Jun 1999 18:52:56 EDT
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [42151] Re: Cute and Cuddly CW...wait a minute
Message-ID: <65fe1943.248c55c8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 6/6/99 3:42:19 PM Pacific Daylight Time, N7YA@AOL.COM
writes:

<< Life is full of choices, and it really is meant to be enjoyed before we
 exit this world....otherwise it is wasted on worrying, bickering and just
 plain being grumpy.

      Relax and have fun.....whether it be with a key or a brunette!!
  >>
BTW, after reading the last part of my otherwise ok post, i felt it may have
been misleading as to my feelings....i just wanted to say that i wasnt
implying anyone was being "grumpy" or not having fun with ham radio or
anything else, i was just trying to say it in more of a "hey man, lets have
fun before we drop" kinda way.
  So no disrespect intended to any of the fine ops on the list....back to my
bug. see you on the air :-)

                                73...Adam, N7YA

End of QRP-L Digest 1480
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